## **ABSTRACT**

A method for coherent phase synchronous CDMA communications between a gateway and multiple subscribers

5 via multiple transponder platforms that includes the step of synchronizing a local reference clock for each subscriber in a service area to a single master reference clock for multiple transponder platforms wherein the distance separating the transponder platforms is

10 constrained to a range wherein the local reference clocks for all subscribers have substantially the same phase with respect to the master reference clock.